RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 702,305
Source: IFWO
Date Processed by STIC: 5/26/04

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
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Revised 05/17/04

IFW0

RAW SEQUENCE LISTING   DATE: 05/26/2004
PATENT APPLICATION: US/10/702,305   TIME: 14:53:56

Input Set : **A:\12844-002001.txt**
Output Set: **N:\CRF4\05262004\J702305.raw**

```
 4 <110> APPLICANT: Michael C. Chen
 5         Chuang-Jiun Chiou
 6         Zhongming Li
 7         Dong-Sheng Chen
 9 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING OR
10         PREVENTING PNEUMOCOCCAL INFECTION
12 <130> FILE REFERENCE: 12844-002001
14 <140> CURRENT APPLICATION NUMBER: US 10/702,305
15 <141> CURRENT FILING DATE: 2003-11-06
17 <150> PRIOR APPLICATION NUMBER: US 60/424,497
18 <151> PRIOR FILING DATE: 2002-11-07
20 <160> NUMBER OF SEQ ID NOS: 26
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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**Does Not Comply
Corrected Diskette Needed**
(pg. 1)

ERRORED SEQUENCES

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388 <210> SEQ ID NO: 18
389 <211> LENGTH: 459
390 <212> TYPE: PRT
392 <220> FEATURE:
393 <223> OTHER INFORMATION: polypeptide of pSA-60 PspA insert sequence
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E--> 395 (<213> ORGANISM:) — see pg. 4
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395 <400> SEQUENCE: 18
396 Met Glu Glu Ala Pro Val Ala Ser Gln Ser Lys Ala Glu Lys Asp Tyr
397 1               5                  10                 15
398 Asp Ala Ala Val Lys Lys Ser Glu Ala Ala Lys Lys Ala Tyr Glu Glu
399             20                  25                 30
400 Ala Lys Lys Lys Ala Glu Asp Ala Gln Lys Lys Tyr Asp Glu Asp Gln
401         35                  40                 45
402 Lys Lys Thr Glu Ala Lys Ala Asp Lys Glu Ala Lys Ala Ser Ala Glu
403     50                  55                 60
404 Ile Asp Lys Ala Thr Phe Ala Val Gln Ser Ala Tyr Val Lys Phe Leu
405 65                  70                 75                 80
406 Asn Val Gln Ser Asn Arg Gln Ile Ser Glu Asn Glu Arg Lys Lys Gln
407                 85                  90                 95
408 Leu Ala Glu Ile Asp Lys Glu Ile Glu Asn Ala Lys Gln Asn Leu Gln
409                 100                 105                110
410 Asn Lys Gln Glu Glu Phe Asn Lys Val Arg Ala Glu Val Ile Pro Glu
411             115                 120                 125
412 Ala Lys Gly Leu Ala Val Thr Lys Gln Lys Ala Glu Glu Ala Lys Lys
413     130                 135                 140
414 Glu Ala Glu Val Ala Lys Arg Lys Tyr Asp Tyr Ala Thr Leu Lys Val
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415 145                    150              ·155                    160
416 Ala Leu Ala Lys Lys Glu Val Glu Ala Lys Glu Leu Glu Ile Glu Lys
417                165                170               175
418 Leu Gln Tyr Glu Ile Ser Thr Leu Glu Gln Glu Val Ala Ile Ala Gln
419            180                185               190
420 His Gln Val Asp Asn Leu Lys Lys Leu Leu Ala Gly Ala Asp Pro Asp
421            195             200              205
422 Asp Gly Thr Lys Val Ile Glu Ala Lys Leu Asn Lys Gly Glu Ala Glu
423       210             215               220
424 Leu Asn Ala Lys Gln Ala Glu Leu Ala Lys Lys Gln Thr Glu Leu Glu
425 225                230               235                240
426 Lys Leu Leu Asp Ser Leu Asp Pro Glu Gly Lys Thr Gln Asp Glu Leu
427            245             250 ·             255
428 Asp Lys Glu Ala Ala Glu Ala Glu Leu Asp Lys Lys Ala Asp Glu Leu
429            260             265               270
430 Gln Asn Lys Val Ala Asp Leu Glu Lys Gly Ile Ala Pro Tyr Gln Ile
431            275             280               285
432 Lys Val Ala Glu Leu Asn Lys Glu Ile Ala Arg Leu Gln Ser Asp Leu
433       290             295               300
434 Lys Asp Ala Glu Glu Asn Asn Val Glu Asp Tyr Ile Lys Glu Gly Leu
435 305                310               315                320
436 Glu Gln Ala Ile Ala Asp Lys Lys Ala Glu Leu Ala Thr Thr Gln Gln
437            325             330               335
438 Asn Ile Asp Lys Thr Gln Lys Asp Leu Glu Asp Ala Glu Leu Glu Leu
439            340             345               350
440 Glu Lys Val Leu Ala Thr Leu Asp Pro Glu Gly Lys Thr Gln Asp Glu
441            355             360               365
442 Leu Asp Lys Glu Ala Ala Glu Asp Ala Asn Ile Glu Ala Leu Gln Asn
443       370             375               380
444 Lys Val Ala Asp Leu Glu Asn Lys Val Ala Glu Leu Asp Lys Glu Val
445 385                390               395                400
446 Thr Arg Leu Gln Ser Asp Leu Lys Asp Ala Glu Glu Asn Asn Val Glu
447            ·405             410               415
448 Asp Tyr Val Lys Glu Gly Leu Asp Lys Ala Leu Thr Asp Lys Lys Val
449            420             425               430
450 Glu Leu Asn Asn Thr Gln Lys Ala Leu Asp Thr Ala Gln Lys Ala Leu
451            435             440               445
452 Asp Thr Ala Leu Asn Glu Leu Gly Pro Asp Gly
453       450             455
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VERIFICATION SUMMARY   DATE: 05/26/2004
PATENT APPLICATION: **US/10/702,305**   TIME: 14:53:57

Input Set : **A:\12844-002001.txt**
Output Set: **N:\CRF4\05262004\J702305.raw**

L:395 M:282 E: Numeric Field Identifier Missing, <213> is required.

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<210> 18
<211> 459
<212> PRT
<213>
<220>
<223> polypeptide of pSA-60 PspA insert sequence

<400> 18
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mandatory,

<213> – pls insert Numeric identifier <213> with Response.